

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044049 A3

- (51) International Patent Classification⁷: C08K 3/32, 3/40, 5/3452, 5/51
- (21) International Application Number: PCT/US2003/036696
- (22) International Filing Date: 13 November 2003 (13.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/426,066 13 November 2002 (13.11.2002) US
- (71) Applicant (*for all designated States except US*): JJI, LLC [US/US]; 3 Randolph Court, Newtown, PA 18940-0536 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): REYES, Jose [US/US]; 3 Randolph Court, Newtown, PA 18940 (US).
- (74) Agent: WEINBLATT, Richard; Wolf, Block, Schorr and Solis-Cohen, 1650 Arch Street, 22nd Floor, Philadelphia, PA 19103 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— with amended claims
- (88) Date of publication of the international search report: 26 August 2004
- Date of publication of the amended claims: 16 December 2004
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: FIRE RESISTANT INTUMESCENT THERMOPLASTIC OR THERMOSET COMPOSITIONS

(57) Abstract: Flame retardant plastic resin blends comprise an intumescent flame retardant and at least one plastic resin. Engineering resin blends comprise an intumescent flame retardant and at least one engineering resin. Thermoset resin blends comprise an intumescent flame retardant and at least one thermoset resin. The plastic resin blends and the engineering resin blends are non-halogen. The thermoset resin blends are substantially non-halogen.

WO 2004/044049 A3